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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>   |   | ATTORNEY'S DOCKET NUMBER<br><b>METSO-45</b><br>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/544898</b> |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/FI2004/000058</b>   | INTERNATIONAL FILING DATE<br><b>5 February 2004</b> | PRIORITY DATE CLAIMED<br><b>11 February 2003</b>   |
| TITLE OF INVENTION<br><b>Apparatus and Method in the Treatment of the Stock Passed to a Headbox of a Paper Machine or Equivalent</b>  |   |  |
| APPLICANT(S) FOR DO/EO/US<br><b>HIETANIEMI, Matti</b>   |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |   |  |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.<br>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.<br>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.<br>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).<br>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> has been communicated by the International Bureau.<br>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).<br>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<br>a. <input type="checkbox"/> is attached hereto.<br>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).<br>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<br>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> have been communicated by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.<br>d. <input type="checkbox"/> have not been made and will not be made.<br>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).<br>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).<br>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).<br>Items 11 to 20 below concern document(s) or information included:<br>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.<br>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.<br>13. <input checked="" type="checkbox"/> A preliminary amendment.<br>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.<br>15. <input checked="" type="checkbox"/> A substitute specification.<br>16. <input type="checkbox"/> A power of attorney and/or change of address letter.<br>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.<br>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).<br>19. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).<br>20. <input checked="" type="checkbox"/> Other items or information: <b>Marked Up Substitute Specification</b> |   |  |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

JC20 Rec'd PCT/PTO 08 AUG 2005

PTO-1390 (Rev. 12-2004)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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|---|--------------|---|---|---|--------------------|
| <b>U.S. APPLICATION NO. (if known, see 37 CFR 1.5)</b><br><b>10/544898</b>  |              | <b>INTERNATIONAL APPLICATION NO.</b><br>PCT/FI2004/000058                     |   | <b>ATTORNEY'S DOCKET NUMBER</b><br>METSO-45 |                    |
| 21. The following fees are submitted:   |              |   |   |   |                    |
| <input checked="" type="checkbox"/> a) Basic national fee.....  |              |   |   | \$ 300.00                                   | \$ 300.00          |
| <input checked="" type="checkbox"/> b) Examination fee.....   |              |   |   | \$ 200.00                                   | \$ 200.00          |
| <input checked="" type="checkbox"/> c) Search fee.....  |              |   |   | \$ 500.00                                   | \$ 500.00          |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |   |   | <b>\$1000.00</b>                            | <b>\$ 1,000.00</b> |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |              |   |   |   |                    |
| Total Sheets  | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE  |   |                    |
| - 100 =   | /50 =        |   | x \$250.00  | \$  |                    |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |   |   | \$  |                    |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA  | RATE  | \$  |                    |
| Total claims  | 20 - 20 =    | 0   | x \$50.00   | \$ 0.00                                     |                    |
| Independent claims  | 3 - 3 =      | 0   | x \$200.00  | \$ 0.00                                     |                    |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |              |   | + \$360.00  | \$  |                    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |   |   | <b>\$1,000.00</b>                           |                    |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |   |   | \$  |                    |
| <b>SUBTOTAL =</b>   |              |   |   | \$  |                    |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |              |   |   | +   | \$                 |
| <b>TOTAL NATIONAL FEE =</b>   |              |   |   | \$  |                    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |   |   | +   | \$                 |
| <b>TOTAL FEES ENCLOSED =</b>  |              |   |   | <b>\$1,000.00</b>                           |                    |
|   |              |   |   | Amount to be refunded:                      | \$                 |
|   |              |   |   | Amount to be charged:                       | \$                 |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1,000.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-2663</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> |              |   |   |   |                    |
| <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p>  |              |   |   |   |                    |
| <p>SEND ALL CORRESPONDENCE TO:<br/>         David R.J. Stiennon<br/>         Stiennon &amp; Stiennon<br/>         P.O. Box 1667<br/>         Madison, WI 53701-1667<br/>         USA</p>  |              |   | <p style="text-align: center;"><i>David R.J. Stiennon</i><br/>         _____<br/>         SIGNATURE</p> <p style="text-align: center;">David R.J. Stiennon<br/>         _____<br/>         NAME</p> <p style="text-align: center;"><u>33212</u><br/>         _____<br/>         REGISTRATION NUMBER</p> |   |                    |

10/544898

In The United States Patent And Trademark Office

Applicant: Matti Hietaniemi

Date: August 8, 2005

Date Filed: Simultaneously herewith

Docket No.: METSO-45

PCT App. No.: PCT/FI2004/000058

For: Apparatus and Method in the Treatment of the Stock Passed to a Headbox of a Paper Machine or Equivalent

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**EXPRESS MAIL LETTER**

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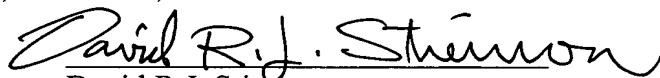
Dear Sir:

"Express Mail" Mailing Label No.: EV 728 023 805 US  
Date of Deposit: August 8, 2005

I hereby certify that these attached documents:

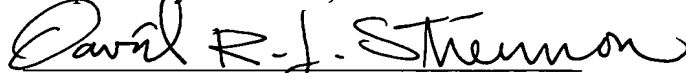
- Response postcard
- Check in the amount of \$1,000.00
- PTO-1390 Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (2 pp)(2 copies)
- PCT Cover Sheet (1 p) and Copy of International Application (specification and claims 13 pages, drawings 4 pages and search report 2 pages)
- Preliminary Amendment (8 pp) with replacement drawings (2 sheets) and annotated drawings showing changes (2 sheets)
- Submission of Substitute Specification under 37 C.F.R. § 1.125 (1 p)
- Clean Copy of Substitute Specification under 37 C.F.R. 1.125(c) (15 pp)
- Marked Up Copy of Substitute Specification under 37 C.F.R. 1.125(b)(2) (15 pp)
- Information Disclosure Statement (2 pp)
- PTO/SB/08A and PTO/SB/08B with 7 attached documents

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 35 C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

  
David R.J. Stiennon

Enclosed for filing please find the above-referenced documents. Please indicate receipt by returning the attached postcard with the official Patent and Trademark Office receipt and serial number stamped thereon.

Respectfully submitted,

  
David R.J. Stiennon, Reg. No. 33212

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